



IDS #21

PTO/SB/08A (10-01)

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	09/785,436
		Filing Date	February 20, 2001
		First Named Inventor	Shinji TAKEDA
		Art Unit	2813 2829
Examiner Name	GEYER, Scott		
Attorney Docket Number	TM&K0007		
Sheet	1	of	5

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	A	US-4,358,581	11-09-1982	Sutton, Jr.	
	B	US-4,656,238	04-07-1987	Kunimune et al.	
	C	US-4,965,331	10-23-1990	Jackson et al.	
	D	US-5,234,522	08-10-1993	Suzuki et al.	
	E	US-5,296,567	03-22-1994	Baumann et al.	
	F	US-5,728,473	03-17-1998	Inoue et al.	
	G	US-5,277,972	01-11-1994	Sakamoto et al.	
	H	US-5,659,004	08-19-1997	Takigawa et al.	
	I	US-5,238,730	08-24-1993	Hanawa et al.	
	J	US-5,827,908	10-27-1998	Arar et al.	
	K	US-6,372,080-B1	04-16-2002	Matsuura et al.	
	L	US-2001/0015484	08-23-2001	Matsuura et al.	
	M	US-4,875,279	10-24-1989	Sakiadis	
	N	US-4,985,105	1-15-1991	Masuda	
	O	US-5,145,099	09-08-1992	Wood et al.	
	P	US-5,177,032	01-05-1993	Fogal et al.	
	Q	US-5,204,399	04-20-1993	Edelman	
	R	US-5,360,942	1-1-01-1994	Hoffman et al.	
	S	US-5,432,380	07-11-1995	Jin et al.	
	T	US-5,512,628	04-30-1996	Sakamoto et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	U	JP-7-90239	04-04-1995	Sumitomo-Bakelite Co.		
	V	JP-256251	10-17-1990	Matsushita-Electron Co.		
	W	JP-54-12266	01-29-1979	Matsubishi Electric Co.		
	X	JP-A-54-138371	10-26-1979	NEC Home Electronics	Abstract Only	
	Y	JP-60-145630	08-01-1985	NEC Corp.		
	Z	JP-06-104300	04-15-1994	Fujitsu Ltd.		
	AA	JP-06-326240	1-1-25-1994	Hitachi Cable Ltd.		
SBG	AB	JP-5-218107	08-27-1993	Hitachi Ltd.		
	AC	JP-2-256251	10-17-1990	Matsushita Electron Co.		
SBG	AD	JP-5-331424	12-14-1993	Sumitomo-Bakelite Co.		

Examiner Signature	<i>Ant B. G.</i>	Date Considered	5/21/03
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IDS A 21

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Substitute for form 1449A/PTO			<b>C mplet if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Application Number	09/785,436	
			Filing Date	February 20, 2001	
			First Named Inventor	Shinji TAKEDA	
			Art Unit	2813 2829	
			Examiner Name	GEYER, Scott	
Sheet	2	of	5	Attorney Docket Number	TM&K0007

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	AE	US-5,528,075	06-18-1996	Burns	
	AE	US-5,635,009	06-03-1997	Kawamura et al.	
	AG	US-5,793,099	08-11-1998	Murakami et al.	
	AH	US-5,837,368	11-17-1998	Hiroe et al.	
	AI	US-5,319,005	06-07-1994	Hagiwara et al.	
	AJ	US-6,046,072	04-04-2000	Matsuura et al.	
	AK	US-6,248,613-B1	06-19-2001	Matsuura et al.	
	AL	US-5,476,908	12-19-1995	Kishi et al.	
	AM	US-5,250,637	10-05-1997	Shiobara et al.	
	AN	US-4,581,096	04-08-1986	Sato	
	AO	US-4,933,219	06-12-1990	Sakamoto et al.	
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FOREIGN PATENT DOCUMENTS						
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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	AP	JP-5-125337	05-21-1993	Sumitomo Bakelite Co.		
	AQ	JP-5-152386	06-18-1993	Sumitomo Metal Minin		
	AR	JP-5-152466	10-05-1993	Shimetsu Chemical Co.		
	AS	JP-5-335379	12-17-1993	Toray Ind. Inc.		
	AT	JP-3-228	01-07-1991	Hitachi Cable Ltd.		
	AU	JP-62-141038	09-05-1987			
	AV	JP-60-38825	09-05-1987	Sumitomo Metal Minin		
	AW	JP-58-222530	12-24-1983	Hitachi Seisakushokk		
SBG	AX	JP-6-218880	08-09-1994	Mitsui Toatsu Chem In		
SBG	AY	JP-6-264035	09-20-1994	Hitachi Chem Co. Ltd.		

Examiner Signature	<i>L.B. G.</i>	Date Considered	5/21/03
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Substitute for form 1449A/PTO			<b>C m p l t i f K n w n</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Application Number	09/785,436	
			Filing Date	February 20, 2001	
			First Named Inventor	Shinji TAKEDA	
			Art Unit	2813 2829	
			Examiner Name	GEYER, Scott	
Sheet	3	of	5	Attorney Docket Number	TM&K0007

U.S. PATENT DOCUMENTS					
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		Number - Kind Code <sup>2</sup> (if known)			
		US-			
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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
SBG	AZ	<del>JP-6-145639</del>	<del>05-27-1994</del>	<del>Hitachi Chem Co. Ltd.</del>		
	BA	<del>JP-58-57730</del>	<del>04-06-1983</del>	<del>Nihon-Shiyashiri-Insats</del>		
	BB	<del>JP-64-19735</del>	<del>06-12-1990</del>	<del>Fomogawa Paper Co.</del>		
	BC	<del>JP-64-22744</del>	<del>02-06-1989</del>			
	BD	<del>JP-1-165635</del>	<del>11-20-1989</del>			
	BE	<del>JP-2-256251</del>	<del>10-17-1990</del>	<del>Matsushita Electron Co</del>		
	BF	<del>JP-6-104300</del>	<del>04-15-1994</del>	<del>Fujitsu Ltd.</del>		
	BG	<del>JP-60-145630</del>	<del>08-01-1985</del>	<del>Nippon Denki KK</del>		
SBG	BH	<del>JP-31179791</del>	<del>10-06-2000</del>	<del>Hitachi Chem Co. Ltd.</del>		
	BI	<del>JP-3215014</del>	<del>07-27-2001</del>	<del>Hitachi Chem Co. Ltd.</del>		

Examiner Signature	<i>Scott B. Geyer</i>	Date Considered	5/21/03
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		Country Code <sup>3</sup>	-Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		BJ	EP 0 837 498 A1	04-22-1998	Hitachi Chem Co., Ltd.		

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IDS  
#21

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Substitute for form 1449B/PTO		<b>Compleat if Kn wn</b>			
		<b>Application Number</b>	09/785,436		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Filing Date</b>	February 20, 2001		
		<b>First Named Inventor</b>	Shinji TAKEDA		
		<b>Group Art Unit</b>	2819-2829		
		<b>Examiner Name</b>	GEYER, Scott		
<b>Sheet</b>	5	<b>of</b>	5	<b>Attorney Docket Number</b>	TM&K0007

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	BK	Japanese Appl. No. 2000-346979 -- Notice of Reason For Refusal mailed on 10/22/2002 together with English Translation	
	BL	References cited in an opposition in Japanese Patent No. 3215014	
SBG	DM	Fig. 1 (Water Absorption (volume %), Saturation Moisture Absorption)	
SBG	DM	Surface Energy, page 338, Chemical Dictionary 7, Kyoritsu Publishing Co.	
SBG	BO	Thermodynamic Equilibrium of Wetting, page 1235, Chemical Handbook Applied Chemistry II, October 15, 1986, Maruzen Co.	
	BP	"Rubber Elastomer Utility Notes", relates to types of rubber and their chemical structure and properties, July 20, 1991.	

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